

CLAIMS

1. Method for the closed-loop speed control of an internal combustion engine-generator unit (1) during a starting process, in which a set speed ($nM(SW)$) is preset by means of a set run-up ramp ($HLR(SW)$), a control deviation is computed from the set speed ($nM(SW)$) and an actual speed ($nM(IST)$), and a set injection quantity (QSW) for controlling the actual speed ($nM(IST)$) is determined from the control deviation by means of a speed controller (11), characterized by the fact that an actual run-up ramp ($HLR(IST)$) is determined from the actual speed ($nM(IST)$) ($HLR(IST) = f(nM(IST))$), and this is set as the set run-up ramp ($HLR(SW)$).

2. Method for closed-loop speed control in accordance with Claim 1, characterized by the fact that the actual run-up ramp ($HLR(IST)$) is determined from a change in speed ($dn(i)$, $i = 1, \dots, n$) of the actual speed ($nM(IST)$) within an assigned time interval ($dt(i)$).

3. Method for closed-loop speed control in accordance with Claim 2, characterized by the fact that the actual run-up ramp ($HLR(IST)$) is computed from the change in speed ($dn(i)$) during the time interval ($dt(i)$) by taking the mean value.

4. Method for closed-loop speed control in accordance with Claim 3, characterized by the fact that the actual run-up ramp ($HLR(IST)$) and a constant (K) are added ($HLR(SW) = HLR(IST) + K$).

5. Method for closed-loop speed control in accordance with any of the preceding claims, characterized by the fact that a check is made to determine whether the actual run-up ramp ($HLR(IST)$) is within a tolerance band (TB).

6. Method for closed-loop speed control in accordance with Claim 5, characterized by the fact that an error mode (FM) is set if the actual run-up ramp ($HLR(IST)$) is outside the tolerance band (TB).

7. Method for closed-loop speed control in accordance with any of the preceding claims, characterized by the fact that the actual run-up ramp (HLR(IST)) is set as the set run-up ramp (HLR(SW)) at least when an idling speed (nLL) has been reached.